

# answers<sup>2</sup>

Betriebsanleitung / Operating Manual

## MYRICA V17-1

Deutsch - English



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English

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## Betriebsanleitung Operating Manual

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# Safety and precautions

Please read through this section carefully and follow the instructions to maximize the reliable operation and lifetime of your LCD display. Always keep these instructions handy and close by your LCD display. Keep the instructions and the packaging so that if you sell or give away your LCD display you can give them to the new owner.

## Operating safety



Never open the housing of the LCD display /power supply! When the housing is open there is a danger of injury from electric shock!

- Do not insert any objects through the slots and openings of the LCD display. This may lead to an electrical short-circuit or even fire resulting in damage to your LCD display.



Slots and openings in the LCD display are for ventilation purpose. Do not cover these openings, as this may lead to overheating.

- Do not allow children to play unattended with electrical equipment. Children may not always correctly recognize danger.
- This LCD display is intended for personal use only. It not intended for commercial use in a heavy industry environment.
- An injury hazard exists when the display breaks. Wear protective gloves to pack the broken parts and send them into your service center for proper disposal. Then wash your hands with soap, because it is possible for chemicals to escape.
- Never exert pressure on the display. This could break the LCD display.
- Do not touch the display with your fingers or with sharp objects to avoid damage.
- Contact the Call Center immediately in any of the following situations. Do NOT plug in or turn on your display:
  - if the power cable/power supply overheats or is damaged
  - if liquid has gotten into the LCD display
  - if the LCD display is dropped or the housing damaged

## Repair

- Leave all repairs of your LCD display to authorized and qualified personnel only.
- Should a repair be necessary, please contact one of our authorized service partners only.

### Notes for service engineers

- Before opening the housing, disconnect the product from all power sources and remove any connecting cables. If the display has not been disconnected from the power outlet before being opened, there is a danger to life through electric shock. There is also a risk of damage to the components.
- Internal components of the LCD display may be damaged by electrostatic discharge (ESD). Carry out repairs in an ESD-protected workshop. If no such workshop is available, wear an antistatic wrist strap or touch a highly conductive metal object. We can repair damage sustained by inappropriate handling for a fee.
- Use only original spare parts.

### Point of use

- Keep your LCD display and all units connected to it away from moisture and avoid dust, heat and direct sunlight. Failure to observe these instructions can lead to malfunctions or damage to the LCD display.
- Place and operate all units on a stable, level and vibration-free surface in order to avoid the LCD display from falling.

### Environmental conditions

- The LCD display can be operated most reliably at ambient temperatures between +41°F and +95°F (5°C to 35°C) and at a relative humidity between 20% and 85% (without condensation).
- When switched off, the LCD display can be stored most reliably between -4°F and +140°F (20°C - +60°C), up to the maximum height of 39,000 ft (12,000 m) above sea level at a relative humidity between 10% and 85% (without condensation).
- After transporting your LCD display please wait until it has assumed the ambient temperature before connecting and switching it on. Extremely high variations in the temperature or humidity may result in condensation forming on the inside of the LCD display which could cause an electrical short-circuit.

### Connecting

Observe the following instructions to connect your LCD display properly:

#### Power supply



Do not open the power supply housing. An open housing presents a lethal hazard from electrical shock. There are no parts inside to be cleaned or serviced.

- Operate your LCD display only with grounded outlets with AC 100-240V~/ 50-60 Hz. If you are not sure about the power supply at your location, check with your power company.
- Use only the power supply and power connection cable provided.
- For additional safety we recommend use of a surge protector to protect your LCD display from damage resulting from voltage surges or lightning.
- To remove the LCD display from the power supply, disconnect the plug from the AC outlet.

- The power outlet must be in the vicinity of your LCD display and within reach of the power cables. Do not stretch the power cables tightly to reach a power outlet.
- You should arrange the LCD display cables in a manner that no one can trip over or step on them.
- To avoid damage of cable do not place any objects or furniture on the cable.
- You can adjust your LCD display a maximum of about 5° downward and a maximal 20° upward. If you attempt to force the display further, you may damage your display.

## Disposal and recycling

This device has been manufactured to the highest possible degree from materials which can be recycled or disposed of in a manner that is not environmentally damaging. The device may be taken back after use to be recycled, provided that it is returned in a condition that is the result of normal use. Any components not reclaimed will be disposed of in an environmentally acceptable manner.

If you have any questions on disposal, please contact your local office, our help desk, or:

Deutschland	Belgien	Schweiz
Fujitsu Siemens Computers GmbH Remarketing und Recycling D-33106 Paderborn Tel.: +49 5251 / 81 80 10 Fax: +49 5251 / 81 80 15  <a href="http://www.fujitsu-siemens.de/wvm">http://www.fujitsu-siemens.de/wvm</a>	RECUPEL Boulevard Reyers, 80 B-1030 Brussels Tel.: +32 2 / 706 86 16 Fax: +32 2 / 706 86 13 E-Mail: <a href="mailto:info@recupel.be">info@recupel.be</a>  <a href="http://www.recupel.be">http://www.recupel.be</a>	SWICO Schweizerischer Wirtschaftsverband der Informations-, Kommunikations- und Organisationstechnik A list of the SWICO Acceptance places can be found at: <a href="http://www.swico.ch">http://www.swico.ch</a>

# Precautions



Caution! There are no parts which can be serviced or cleaned inside of the LCD display housing.

You can increase the life of your LCD display by taking the following precautions:

- Before cleaning always disconnect the power line and all connection cables.
- Do not use any solvents, caustic or gaseous cleaning agents.
- Clean the display with a soft, lint-free cloth.
- Ensure that no water droplets remain on the screen. Water can cause permanent discoloration.
- Do not expose the screen to bright sunlight or ultraviolet radiation.

## Important additional safety instructions

When using any electronic equipment, basic safety precautions should always be taken. Following the guidelines below can reduce the risk of fire, electric shock and injury to person:

- Do not use this product near water (e.g., near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool).
- Avoid using a telephone/modem (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use the telephone/modem to report a gas leak in the vicinity of the leak.
- Use only the power cord indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.
- Keep batteries away from children at all times.

---

# Introduction

Thank you for purchasing our LCD Multi-Media display. We thank you for your confidence in our products and are pleased to greet you as a new customer.

We focused on great features, ease of use and reliability in manufacturing your LCD display.

## Performance characteristics

### Advantages in relation to CRT (cathode ray tube) displays:

- Less space required
- Lower weight
- Power savings

### High image quality

- WXGA standard: resolution up to 1280 x 768

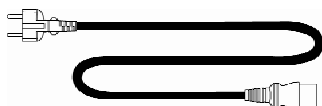
### Further features

- The LCD display is a plug and play device which is automatically recognized by your operating system.
- The power management fulfills the VESA DPMS standard. During idle times (OFF mode) the power consumption is automatically reduced by up to 95%.
- The terminals include Tuner receiving terminal, PC Input, SCART (Video & RGB), Video, S-Video and Component (YCbCr / YPbPr) Input.
- Rotate and tilt features for optimizing the viewing position.
- Easy-to-use remote control.
- Easy-to-use on-screen menu system.
- PIP, picture in picture, double screen: PC display(Main) and Video display (Sub) on the same screen.
- Normal, Panscan, Zoom and Full screen format available by pressing ARC button.
- Headphone socket for private listening.
- Built-in, dual channel speakers.
- A built-in NICAM/IGR sound decoder for stereo and bilingual listening.
- Automatic programming system (A.P.S.).
- A sleep timer.
- Child lock function.
- Full function Teletext.

# Included equipment

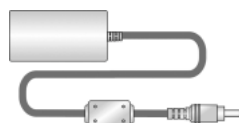
Please make sure the following items are included with your LCD Display. Notify us within 14 days after purchase if it is not complete. With your LCD Display you receive:

**User's Manual**



**Power Cord**

**Remote Control & Batteries (AAA X2)**



**AC-Adapter**

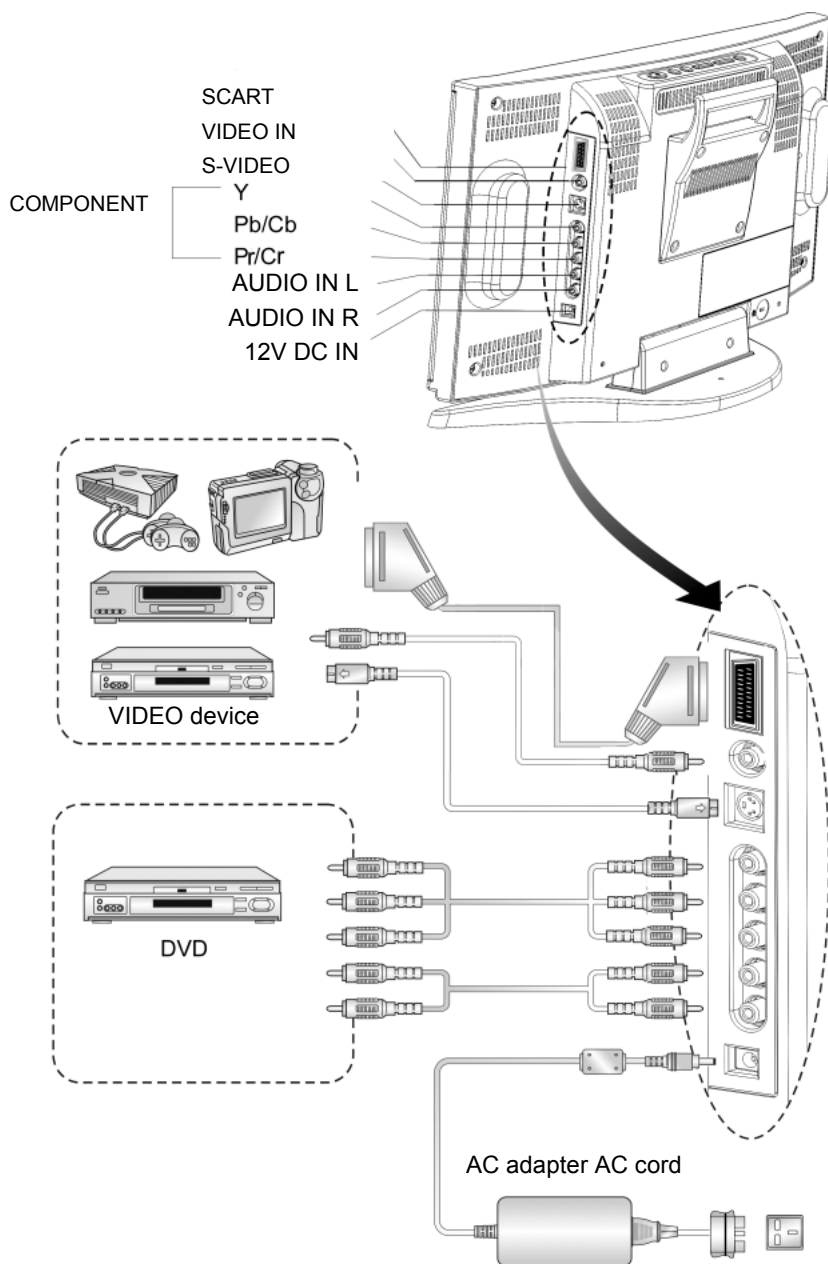


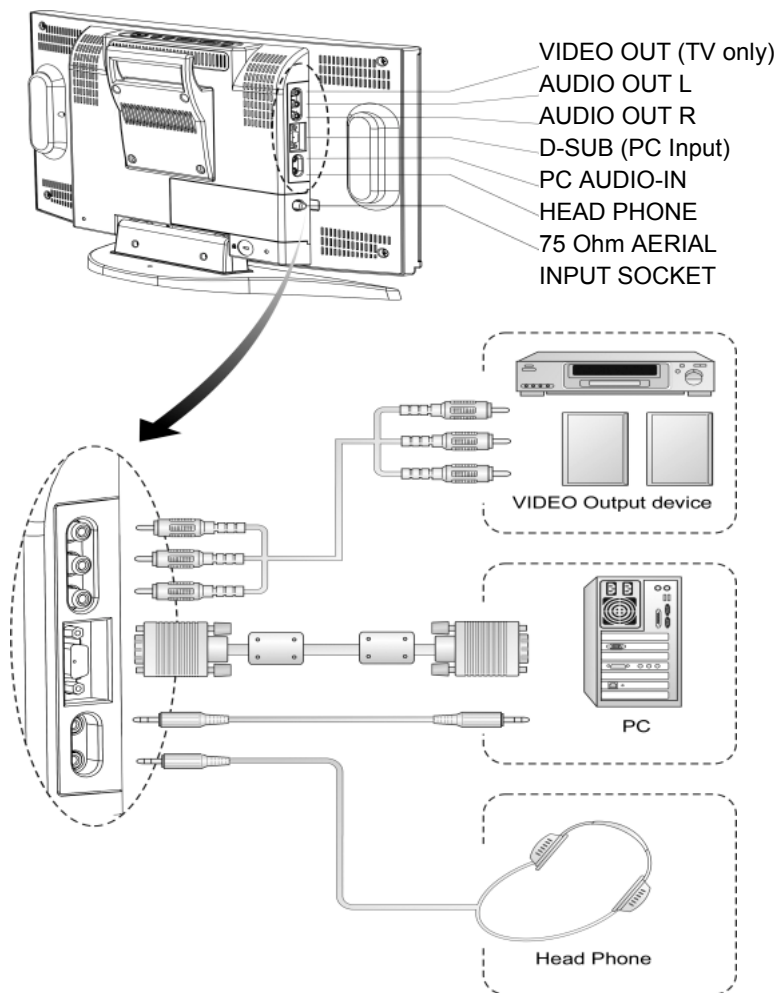
**15 Pin D-sub  
Signal Cable**



**Cable Clamp  
(One big, two small)**

# Connecting external devices



**Audio-Out L/R:**

The level of audio output cannot be changed using the volume, treble, and bass controls on your display. This connector should be used with an external audio amplifier that can be used to control the volume.

**VCR-Recording:**

The main display must set to TV mode in order to use the audio and video output to record a programme using a VCR.

**PIP sound:**

When using the PIP feature in PC mode, to hear the Sub display sound you must set the sound to *Sub*.

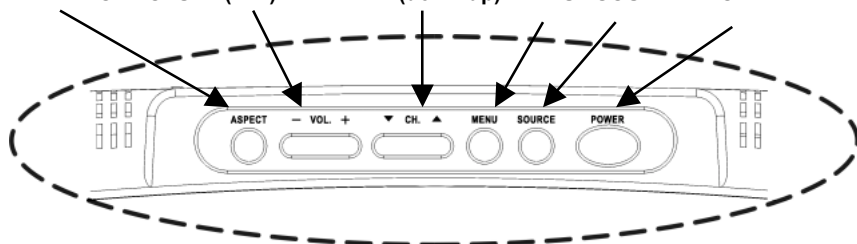


# Controls and location

These buttons control your display's basic features, including the on-screen menu. To use the more advanced features, you must use the remote control.

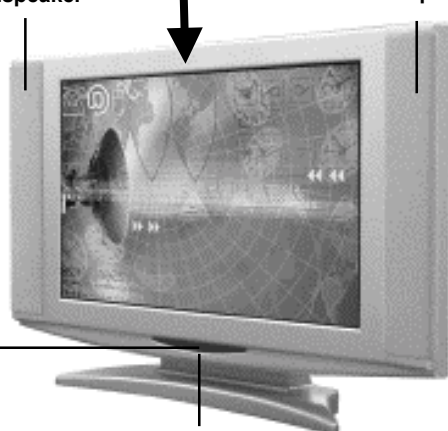
POWER	turn on or turn off the LCD display.
SOURCE	select input source (PC, TV, SCART Video/SCART RGB, Video, S-Video, Component).
MENU	display the main menu.
CHANNEL (down/up)	change channels.
VOLUME (-/+)	turn up or turn down the volume.
ASPECT RATIO	set up the display (Normal, Panscan, Zoom or Full).

**ASPECT RATIO    VOLUME( -/+ )    CHANNEL(down/up)    MENU    SOURCE    POWER**



**Loudspeaker**

**Loudspeaker**



**Remote sensor window**

Aim the remote control towards this region on the LCD display.

**Power indicator**

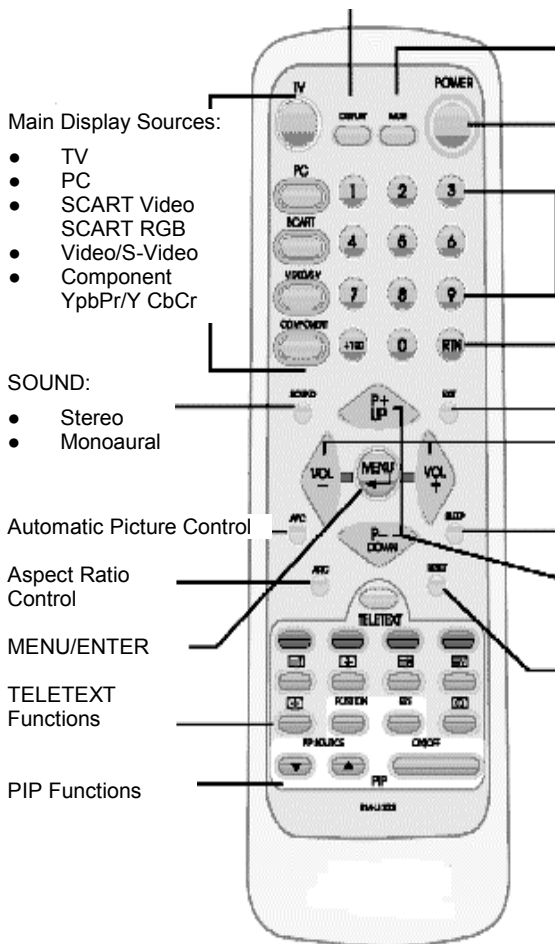
A green indicator lights when the power is on and a red indicator lights when in the standby mode (the indicator will not light when the main power is off).



# Remote control

The remote control pad works almost same as ordinary TV remote control that includes the basic function needed while viewing a live video.

**DISPLAY:** Display the current source or program digits.



MUTE

POWER

Program/TELETEXT Page Select

RETURN  
Return to previous progratext page

EXIT

VOLUME +/-

SLEEP TIMER

Program/TELETEXT Page MENU Item Select

RESET:  
Reset to the factory settings

### Summary of control buttons

#### Selecting the Signal Source

TV	Switch to the TV mode.
PC	Switch to the PC mode.
SCART	Switch to the Video mode or RGB mode from SCART.
VIDEO/S-V	Switch to the Video mode from RCA pocket oder S-Video mode.
COMPONENT	Switch to the Component mode (YpbPr oder YcbCr).
DISPLAY	Display the current source.

#### Menu Setting

MENU/ENTER	Display the main on-screen menu or enter the next menu.
UP/DOWN	Press to select the item you want to adjust in the OSD menu.
VOL-/VOL+	Press to decrease or increase the value in the OSD control bar.
EXIT	Exit from the menu.







#### Changing Channels

P-/P+	Press P- or P+ to change Programs in TV mode or Teletext page in TELETEXT mode.
0-9	To select programs directly in TV mode.
DISPLAY	Display the current program digits.
RTN	Press to return to the previous program.

#### Sound Control

VOL+VOL-	Press to turn up or turn down the volume.
MUTE	Press to switch the sound on or off.
SOUND	Press to choose Stereo, Bilingual and Monaural broadcasts.

**Teletext**

TELETEXT		Press to show the Teletext Service. Press again to return to TV Viewing.
	INDEX	Press INDEX button to show the list of teletext contents.
	HOLD	Press HOLD button to stop the automatic page change.
	UPDATE	Press UPDATE button to switch to TV while waiting for the next text page.
	REVEAL	Press REVEAL button to display concealed information, such as solutions of riddles or a quiz.
	EXPAND	Press EXPAND button to enlarge the top half or bottom half of the Teletext page.
	SUB-PAGE / TIME	Press SUB-PAGE / TIME button to access to the sub-page you required.
RTN		Press to return to the previous viewed Teletext page.


**PIP**

ON / OFF	Press to watch one of the video sources on Sub-display, whilst in PC mode. Press again to turn off the Sub-display.
PIP Source	Press to select the PIP window input source as: Press ▲ button: TV – SCART Video – SCART RGB – Video – S-Video – Component Press ▼ button: Component – S-Video – Video – SCART RGB – SCART Video – TV
SIZE	To make the PIP window double, large or small.
POSITION	Press to move the PIP window to: Top Left – Top Right – Bottom Right – Bottom Left – Repeat.



When you set Main-display at 1280 x 768/1024 x 768 resolution of PC mode and Sub-display YPbPr, the screen will appear *Not Available*. You should reduce the PC resolution to 800 x 600 or 640 x 480. The PIP function will then work.

### Other Function

RESET	Reset to the original factory settings, such as the Luminance/Contrast/Color Temp.
ARC	Set the picture window to Normal (4:3) – Panscan – Zoom – Full (16:9).
APC	To select Clear, Dark, Nomal mode for picture control.
SLEEP	Press to select a preset time interval for automatic power off.
 SUB-PAGE / TIME	Press SUB-PAGE / TIME to display the digital clock in TV mode.

# A.P.S. first time installation

- ▶ After removing the LCD display packaging, ensure the product is installed in a safe and well ventilated position.
- ▶ Insert two AAA type batteries into battery compartment on the rear of the remote control.
- ▶ Make sure the 75 ohm external aerial and Power cord are properly connected.
- ▶ Press the POWER button to switch the set on.
- ▶ The *Automatic Search* menu will appear when switching on the TV first time.

Automatic Search	Language
Country	English
Language	Français
Start	Deutsch
Exit	Español
	Italiano
	Svenska
	Português
	Magyar
	Русский
	Česky
	Exit

- ▶ Select *Country* with UP/DOWN button, then press MENU button repeatedly to select the country you are now located.
- ▶ Select *Language* with UP/DOWN button, then press MENU button. Select a menu language with UP/DOWN button, press MENU button, and the menu language will be changed at once. Press MENU button again to return to the previous screen.
- ▶ Select *Start* with UP/DOWN button, then press MENU button to start APS. The APS (Automatic Programming System) menu will appear on the screen.

## APS RUNNING PLEASE WAIT

- ▶ To cancel APS press the EXIT button.



After APS is finalized, the Program List will appear on the screen. You can select, rename, delete, insert programs within the Program List. (For details, see "Program list settings".)

Use the number buttons to directly access the program. For example, to select program 27, press 2 then 7. The TV will change programs when you press the second number. You can also press P-/P+ button on remote control to change programs.





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# General controls and adjustment

## Tuning display on and off

Press the POWER button on the Remote Control. You can also use the POWER button on the top of the panel.

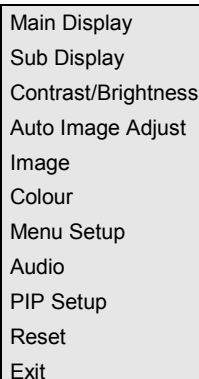


To turn the unit on, the POWER button must be held down at least 0.5 seconds before it is released. This is to prevent the unit from being turned on accidentally.

## Viewing the menus and On-Screen Displays

- ▶ With the power on, press the MENU button. The main menu appears on the screen.

### Main Menu Screen

A rectangular box with a black border containing a list of menu options.

- Main Display
- Sub Display
- Contrast/Brightness
- Auto Image Adjust
- Image
- Colour
- Menu Setup
- Audio
- PIP Setup
- Reset
- Exit

- ▶ Use the UP/DOWN button to select one of the menu options, and then press the MENU button to access to the Sub-menu.
- ▶ Press the MENU button to return to the previous screen or press the EXIT button to exit from the menu.



The menu varies with which input source is selected.

# Switching between TV/PC/AV

- ▶ Turn on the power of the connected video equipment.
- ▶ Press the applicable button.
  - Press TV button to switch to TV mode.
  - Press PC button to switch to PC mode.
  - Press SCART button once to switch to SCART Video mode (Composite Signal Input via SCART).
  - Press SCART button again to switch to SCART RGB mode (RGB Signal Input via SCART).
  - Press VIDEO/S-V button once to switch to Video mode (Composite Signal Input Via RCA Socket).
  - Press VIDEO/S-V button again to switch to S-Video mode.
  - Press COMPONENT button to switch to YCbCr or YPbPr.

# Volume control

## Using Volume Control

- ▶ Press VOL-/ VOL+ button to turn up or turn down the sound volume.

## Using Mute

At any time, you can temporarily turn off the sound by pressing the MUTE button.

- ▶ Press the MUTE button and the sound cuts off.
- ▶ Press the MUTE again or VOL- / VOL+ button to turn the sound back to the previous level.

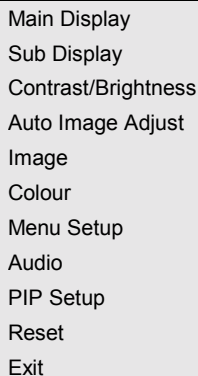


The mute function is automatically turned off if VOL- / VOL+ is pressed.

## Menu items

- ▶ Press the MENU button to display the main menu screen.
- ▶ Press UP/DOWN button to select the desired menu item.
- ▶ Press VOL- / VOL+ to make adjustments.
- ▶ Press the MENU button to return to the previous screen or press the EXIT button to exit.

### Main Menu Screen

A screenshot of the Main Menu Screen, which is a light gray rectangular box with a black border. Inside the box, the following menu items are listed vertically in black text: Main Display, Sub Display, Contrast/Brightness, Auto Image Adjust, Image, Colour, Menu Setup, Audio, PIP Setup, Reset, and Exit.

Main Display  
Sub Display  
Contrast/Brightness  
Auto Image Adjust  
Image  
Colour  
Menu Setup  
Audio  
PIP Setup  
Reset  
Exit

## Setting the sleep timer

You can set the Sleep Timer to automatically turn off the TV view of LCD display.

- ▶ Press the SLEEP button to display the Sleep Timer screen.
- ▶ Press the SLEEP button repeatedly to change the sleep time (in minutes).

The time can be set to 30 minutes, 60 minutes or 90 minutes.

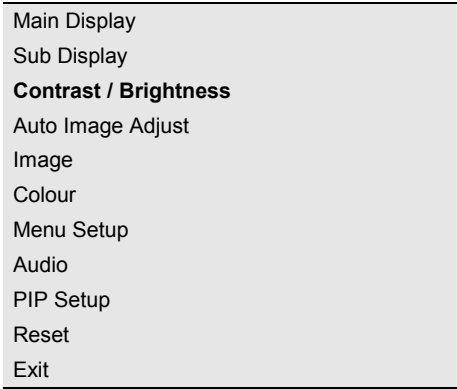
**30 min – 60 min – 90 min – off**

# Contrast and brightness settings

You may need to perform separate adjustments for brightness and contrast for the different video modes. Typically, PC mode will be best viewed with lower brightness and contrast settings than are appropriate for the other modes.

- ▶ Press the MENU button to display the main menu.
- ▶ Press the UP/DOWN button to move cursor to Contrast / Brightness.
- ▶ Press the MENU button to enter Contrast / Brightness.
- ▶ Press the VOL- / VOL+ button to set the *Brightness* or *Contrast*.
- ▶ Press the MENU button to return to the previous screen or press the EXIT button to exit.

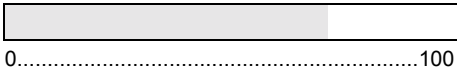
## Main Menu Screen



## Contrast / Brightness



## Contrast



## Contrast / Brightness



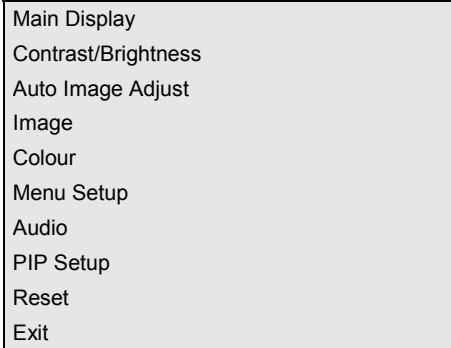
## Brightness



## Setup menu settings

- ▶ Press the MENU button to display the main menu screen.
- ▶ Press the UP/DOWN button to move the cursor to *Menu Setup*.
- ▶ Press the MENU button to enter *Setup Menu*.
- ▶ This adjusts the blue background of the menu screens.
- ▶ Decrease or increase the transparence of Menu.
- ▶ Press the MENU button to return to the previous screen or press the EXIT button to exit.

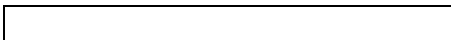
### Main Menu Screen



### Menu Setup



### Transparence

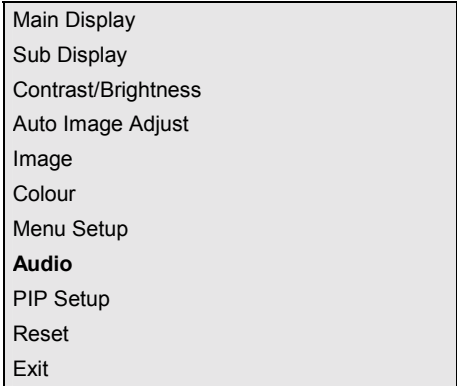


0.....15

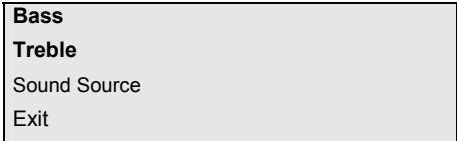
# Audio menu settings

- ▶ Press the MENU button to display the main menu screen.
- ▶ Press the UP/DOWN button to move the cursor to *Audio* Menu.
- ▶ Press the MENU button to enter *Audio* Menu.
- ▶ Press the UP/DOWN button to select the desired item (*Bass*, *Treble* or *Sound Source*).
- ▶ Press the MENU button to enter the desired item (*Bass*, *Treble* or *Sound Source*).
- ▶ Press the MENU button to return to the previous screen or press the EXIT button to exit.

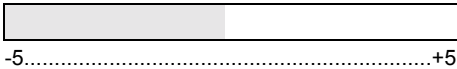
## Main Menu Screen



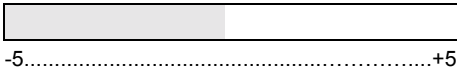
## Audio



## Bass



## Treble



**Audio**

Bass  
Treble  
**Sound Source**  
Exit

**Sound Source**

Main  
**Sub**  
Exit



When using the PIP feature in PC mode, you can listen to the sound of the sub screen instead of the main screen. To do so:

- ▶ Select *Audio*.
- ▶ Select *Sound Source*.
- ▶ Select *Sub*.

Then adjust the volume of the Sub-display using VOL+ / VOL-.





---

# TV mode adjustment

## Altering the TV settings

- ▶ Use the remote control TV button to set the input source to *TV* mode.
- ▶ Press the MENU button to display the main menu screen.
- ▶ Press the UP/DOWN button to select *Programs*.
- ▶ Press the MENU button to enter.
- ▶ Press the UP/DOWN button to the desired item.
- ▶ Press the MENU button to set the desired item.
- ▶ Select EXIT to return to the main menu screen or press the EXIT button to exit.

### Main Menu Screen

Main Display
Contrast/Brightness
Colour/Sharpness
Menu Setup
Audio
<b>Programs</b>
Child Lock
Reset
Exit

### Programs

Automatic Search
Manual Search
Program List
Exit

### Automatic search programs

- ▶ Press the MENU button to display the main menu screen.
- ▶ Press the UP/DOWN button to select *Programs* and press MENU button.
- ▶ Select Country you are now located and the Language you desired, and then select *Start* to run APS. The APS menu will appear on the screen.

#### APS RUNNING PLEASE WAIT



To cancel APS, press the EXIT button. (For details, please see “A.P.S. first time installation” on page 15).

After APS is finalized, the Program List will appear on the screen.

You can select, rename, delete or insert programs within the Program List. (For detail, please see “Program list settings” on page 28)

- ▶ Press EXIT button to exit.

#### Main Menu Screen

Main Display  
Contrast/Brightness  
Colour/Sharpness  
Menu Setup  
Audio  
**Programs**  
Child Lock  
Reset  
Ende (Exit)

#### Programs

**Automatic Search**  
Manual Search  
Program List  
Exit

#### Automatic Search

Country  
Language  
**Start**  
Exit

## Manuel search programs

To program a channel in a TV's program number manually:

- ▶ Press MENU button to display the main menu.
- ▶ Press UP / DOWN button to select *Programs*, and then press MENU button.
- ▶ Press UP / DOWN button to select *Manual Search*, and then press MENU button.
- ▶ Press UP / DOWN button to select *Program*, and then press VOL-/ VOL+ button to select the program number where you want the tuned channel to be stored.
- ▶ Press UP / DOWN button to select *System*, and then press VOL-/ VOL+ button to set to B/G, D/K, I or L/L'.
- ▶ Press UP / DOWN button to select *Search*, and then press VOL- / VOL+ button.
  - Press VOL+ button to search forwards. If the found program isn't the desired one, press VOL+ button again to search next available program.
  - Press VOL- button to search backwards. If the found program isn't the desired one, press VOL- button again to search previous available program.
  - To stop searching before a channel is found, press the reverse direction button. For example, when the TV is searching forward with VOL+ button, press VOL- button to stop searching.
- ▶ Press UP / DOWN button to select *Store*, and then press MENU button to store the searched channel to the program number you set.
- ▶ Press EXIT to exit from the menu.

### Programs

Automatic Search
<b>Manual Search</b>
Program List
Exit

### Manual Search

Program	02
System	B/G
Suche (Search)	▶▶▶
Store	
Exit	

# Program list settings

Program List is used to display the Program numbers and names. You can use this list to change / edit Name, Delete, or Insert programs.

- ▶ Press MENU button to display the main menu.
- ▶ Press UP / DOWN button to select *Programs*, and then press MENU button.
- ▶ Press UP / DOWN button to select *Program List*, and then press MENU button. All the program names of the tuned channels will be shown by the yellow colour.
- ▶ Press P+ / P- / VOL- / VOL+ button to select program. The selected Program number will be shown by the Green colour.
- ▶ Press EXIT button to exit.

## Programs

Automatic Search
Manual Search
<b>Program List</b>
Exit

## Program List

1.	ARD__	11.	_____
2.	ZDF__	12.	_____
3.	RTL__	13.	_____
4.	RTL2_	14.	_____
5.	SAT1_	15.	_____
6.	_____	16.	_____
7.	_____	17.	_____
8.	_____	18.	_____
9.	_____	19.	_____
10.	_____	20.	_____
Name		Delete	
Insert			

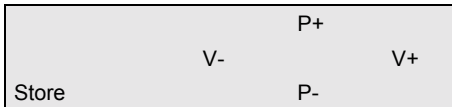
## Change or edit names

- ▶ Move to the program number you want to rename or edit name by pressing P+ / P- / VOL- / VOL+ button.
- ▶ Press RED button.
- ▶ Press P+ / P- button repeatedly to select a letter , and then press VOL- / VOL+ button to select the position. (Each program name could be edited with 5 characters)
- ▶ Press RED button again to Store.



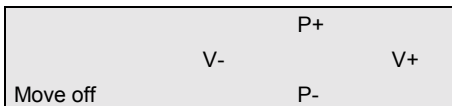
## Delete the program

- ▶ Move to the program number you want to delete by pressing P+ / P- / VOL- / VOL+ button. The selected program number will be shown by the Green colour.
- ▶ Press GREEN button. The corresponding channel will be deleted and all the other channels below this program number will be moved one program number up.
- ▶ Press GREEN button again to Store.



## Insert the program

- ▶ Move to the program to be inserted by pressing P+ / P- / VOL- / VOL+ button. The selected program number will be shown by the Green colour.
- ▶ Press YELLOW button.
- ▶ Press P+ / P- / VOL- / VOL+ button to move the selected program to the desired program number.
- ▶ Press YELLOW button again to move off.



# Setting the child lock

The Child Lock feature automatically locks out the program that you selected.

### Setting up your Personal ID Number (PIN)

- ▶ Press the MENU button to display the main menu.
- ▶ Press the UP/DOWN button to move the cursor to *Child Lock*, and then press the MENU button.
- ▶ The *Please Enter Pin* screen will appear. At first time, you must enter 1111 (initial code).
- ▶ Select *Channel Lock*.
- ▶ Press MENU button. *On* will appear on the right side and the current program will be locked.
- ▶ Press MENU button again. *Off* will appear on the right side and the current program will be unlocked.
- ▶ Select *Change Pin*, if you want to change the Pin. As soon as the 4-digits are entered, the *Confirm new Pin* screen appears. Re-enter the same 4-digits. When the Confirm screen disappears, your PIN has been memorized. Press the EXIT button to exit.

### Main Menu Screen

Main Display  
Contrast/Brightness  
Colour/Sharpness  
Menu Setup  
Audio  
Programs  
**Child Lock**  
Reset  
Exit

Please Enter Pin

- - - -

Channel Lock On  
**Change Pin**  
Exit

## NICAM/IGR broadcast selection

Depending on the particular program being broadcast, you can press the SOUND button to listen to stereo, bilingual or monaural.

- ▶ Press the SOUND button directly to display the three states on the top right of the screen.
- ▶ Press the SOUND button repeatedly to select the following states.

### Stereo broadcast

- Each time you press SOUND, the mode changes between *Stereo* and *Mono*.
- When *Mono* is selected, the TV sound is output monaurally.  
In stereo reception, if the stereo signal is weak, you can switch to *Mono*.

### Bilingual broadcast

Each time you press SOUND, the mode changes as follows: A – B – A/B – Mono.

- A sends the primary broadcast language to the loudspeakers.
- B sends the secondary broadcast language to the loudspeakers.
- A/B sends a separate language to each loudspeaker.

### Monaural broadcast (For NICAM broadcasts)

- Each time you press SOUND, the mode changes between Nicam and Mono.

## Colour/sharpness settings

- ▶ Press the MENU button to display the main menu screen.
- ▶ Press the UP/DOWN button to move the cursor to *Colour/Sharpness*.
- ▶ Press the MENU button to enter.
- ▶ Press the UP/DOWN button to the desired item (*Colour Saturation* or *Sharpness*).
- ▶ Press the MENU button to set the desired item (*Colour Saturation* or *Sharpness*).
- ▶ Select EXIT to return to the main menu screen.

### Main Menu Screen

Main Display
Contrast/Brightness
<b>Colour/Sharpness</b>
Menu Setup
Audio
Programs
Child Lock
Reset
Exit

### Colour/Sharpness

Colour Saturation
Sharpness
Exit

### Colour Saturation

<div><div></div></div>
0.....100

### Sharpness

<div><div></div></div>
-5.....+5



---

# Teletext

Teletext is a free service broadcast by most TV stations which gives up-to-the-minute information news, weather, television programs, share prices, subtitles, and many other topics.



No OSD adjustment apart from volume control will be available in teletext mode.

In teletext mode, NUMBER buttons, P+/P- and RTN buttons are used for Teletext function.






## To operate Teletext


- Select a TV station on which Teletext is being transmitted.
- Press the TELETEXT button once to appear the teletext screen.  
Two page numbers, TV station name, date, and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed.
- Press the TELETEXT button again to switch off teletext. The previous program reappears.

## Teletext Page Selection

- ▶ Enter the required Teletext page as a three digit numbers.  
The selected page number is displayed at the top left corner of the screen. The Teletext page counter searches until the selected page number is located, so that the desired page is displayed on the screen.
- ▶ The P+ / P- button can be used to select the preceding or following page.
- ▶ Fastext movement by the 4 coloured buttons.  
Four subject-heading pages can be selected quickly by pressing the corresponding coloured button Red, Green, Yellow, or Blue on the remote control handset.

### Useful features for Teletext

	INDEX	Press this button to select the index page that displays the list of teletext contents.
	HOLD	<p>The teletext page you have selected may contain more information than what is on the screen; the rest of the information will be displayed after a period of time on a sub-page.</p> <p>Press HOLD button to stop the automatic page change.</p> <p>The HOLD symbol will be displayed at the top left-hand corner on the screen and the automatic page change will be stopped.</p> <p>Press HOLD button again to continue.</p>
	UPDATE	<p>In the Teletext mode, pressing UPDATE button will switch the screen to the TV mode while waiting for the next text page.</p> <p>Select required page number in Teletext mode.</p> <p>Press UPDATE button to switch to TV mode while waiting for the text page. A small blue box in which --- shows appears on the upper left corner.</p> <p>When the required text page is found, the required page number appears in the blue box.</p> <p>Press UPDATE button again to revert to Teletext mode.</p>
	REVEAL	<p>Press this button once to display concealed information, such as solutions of riddles, puzzles, or a quiz.</p> <p>Press this button again to conceal the revealed answers.</p>
	EXPAND	<p>Select double height text.</p> <p>Press this button to enlarge the top half of the page.</p> <p>Press this button again to enlarge the bottom half of the page.</p> <p>Press this button once more to return to the normal display.</p>

	SUB-PAGE / TIME	<p><b>Teletext-Mode</b></p> <p>In Teletext mode , sub pages are subsections of long Teletext pages that can only be displayed on the screen one section at a time.</p> <p>Select the required teletext page. (e.g. 524)</p> <p>Press SUB-PAGE button. S**** will be display on the upper left corner.</p> <p>Select the required sub page number by pressing four digit buttons (e.g. 0001).</p> <p>If the selected sub page is not displayed in a short time, press UPDATE button. TV program will be displayed on the screen.</p> <p>Teletext page number will be displayed on the upper left corner of the screen when the selected page is found.</p> <p>Press SUB-PAGE button twice to return to normal page sequence.</p> <p><b>TV-Mode</b></p> <p>In TV mode, press this button to display the time.</p> <p>While watching a TV program with Teletext transmission press TIME button. The current time information will be displayed on the upper right corner of the screen.</p> <p>The time information will disappear after pressing TIME button again.</p>
--	-----------------	---



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# PC mode adjustment

Press the PC button to directly switch to PC mode. If PC input timing isn't the LCD TV's preset timing (refer to "PC input preset timing table" on page 53) press *Auto Image Adjust* to optimize the image. If it still has Horizontal interference on screen, adjust *Fine Tune* to correct the phase.

## Image settings

- ▶ Press the MENU button to display the main menu screen.
- ▶ Press UP/DOWN button to move the cursor to *Image*.
- ▶ Press the MENU button to enter *Image adjust*.
- ▶ Press the UP/DOWN button to the desired item (*H./V. Position*, *H. Phase*, *Fine Tune*).
- ▶ Press the MENU button to set the desired item (*H./V. Position*, *H. Phase*, *Fine Tune*).
- ▶ Press the MENU button to return to the previous screen or press the EXIT button to exit.

### Main Menu Screen

Main Display
Sub Display
Contrast/Brightness
Auto Image Adjust
<b>Image</b>
Colour
Menu Setup
Audio
PIP Setup
Reset
Exit

### Image

<b>H./V. Position</b>
H. Phase
Fine Tune
Exit

H./V. Position

<b>H. Position</b>	
<b>V. Position</b>	
Exit	

H. Position

--

MAX

V. Position

--

MAX

Image

H./V. Position	
<b>H. Phase</b>	
Fine Tune	
Exit	

H.Phase

--

MAX

Image

H./V. Position	
H. Phase	
<b>Fine Tune</b>	
Exit	

Fine Tune

--

MAX

## Colour settings

- ▶ Press the MENU button to display the main menu screen.
- ▶ Press the UP/DOWN button to move the cursor to *Colour*.
- ▶ Press the MENU button to enter *Colour*.
- ▶ Press the UP/DOWN button to the desired item (*Cool*, *Neutral*, *Warm*, or *User Colour*).
- ▶ Press the MENU button to set the desired item (*Cool*, *Neutral*, *Warm*, or *User Colour*).
- ▶ Press the MENU button to return to the previous screen or press the EXIT button to exit.

### Main Menu Screen



### Colour



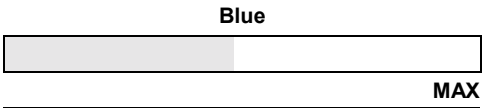
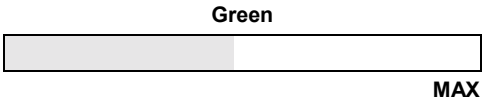
### User Colour



### Read



**MAX**





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# Viewing Picture in Picture (PIP)

PIP: When you select PC source as main display, you can also select another source TV, SCART, Video, S-Video, or Component (YPbPr/YCbCr) as sub-display.

You can use the PIP feature to watch two video sources simultaneously. (This function works in PC mode only.)

## Quick way to activate PIP

- ▶ Press PIP ON/OFF Button on the remote control.
- ▶ Select a Signal Source for PIP:
  - Press the PIP SOURCE UP/DOWN button repeatedly to cycle through all of the available signal sources: TV, SCART, Video, S-Video, Component (YPbPr/YCbCr).
- ▶ Change the Position of the PIP Window:
  - When you press the PIP POSITION button repeatedly, the PIP window moves from corner to corner on the TV screen.
- ▶ Change the Size of the PIP Window:
  - Press the PIP SIZE button to alternate between a smaller and Larger PIP window.

## PIP setup menu

- ▶ Press the MENU button to display the main menu screen.
- ▶ Press the UP/DOWN button to select the *PIP Setup*.
- ▶ Press the MENU button to enter *PIP Setup*.
- ▶ Press the UP/DOWN button to the desired item (*PIP Position*, *PIP Border Width*, *PIP Border Color*, *PIP H/V Ratio*).
- ▶ Press the MENU button to return to the previous screen or press the EXIT button to exit.

**Main Menu Screen**

Main Display

Sub Display

Contrast/Brightness

Auto Image Adjust

Image

Colour

Menu Setup

Audio

**PIP Setup**

Language

Reset

Exit

**PIP Setup**

**PIP Position**

PIP Border Width)

PIP Border Colour)

PIP H/V Ratio

Exit

**PIP Position**

**PIP H Position**

PIP V Position

Exit

**PIP H Position**

MAX

**PIP V Position**

MAX

PIP Setup

PIP Position

**PIP Border Width**

PIP Border Colour

PIP H/V Ratio

Exit)

PIP Border Width

MAX

PIP Setup

PIP Position

PIP Border Width

**PIP Border Colour**

PIP H/V Ratio

Exit

PIP Border Colour

White

Blue

Yellow

**Green**

Red

Black

Brown

Gray

Orange

Exit

**PIP Setup**

PIP Position

PIP Border Width

PIP Border Colour

**PIP H/V Ratio**

Exit

**PIP H/V Ratio**

MAX

---

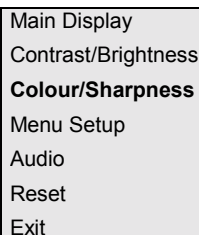
# AV mode adjustment

The Video sources include SCART Video/SCART RGB, Video, S-Video, YCbCr/YPbPr. You can select by pressing SCART, Video/S-V, or COMPONENT button.

## Altering the VIDEO Adjust Settings:

- ▶ Press the MENU button to display the main menu screen.
- ▶ Press the UP/DOWN button to move the cursor to the desired item.
- ▶ Press the MENU button to enter and adjust it.
- ▶ Press the MENU button to return to the previous screen or press the EXIT button to exit.

### Main Menu Screen

A screenshot of the Main Menu Screen, which is a light gray rectangular box with a black border. Inside the box, the following text is listed from top to bottom: "Main Display", "Contrast/Brightness", "Colour/Sharpness" (which is bolded), "Menu Setup", "Audio", "Reset", and "Exit".

Main Display  
Contrast/Brightness  
**Colour/Sharpness**  
Menu Setup  
Audio  
Reset  
Exit



All the adjustment items in AV Menu are described in TV mode menu, so please refer to the "TV mode adjustment" on page 25.

Using the PIP function with Component mode (YCbCr, YPbPr) as the sub-display requires that the PC resolution be set at no higher than 800 x 600.



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# Other functions

## To use Channel up/down on the unit control panel as function buttons

- When you press MENU to go into OSD, CH up/down will become the up/down function control buttons.

## To use -VOL+ as level control buttons

- When you press MENU to go into the sub control bar, then the level can be adjusted by the VOL+ buttons.

## To use -VOL+ as Mute control buttons

- When you press both VOL+ and VOL- buttons on the upper control panel simultaneously, the sound will be muted.
- If you need to switch on the sound again, then either press MUTE button on the remote control unit or press any VOL+ or VOL- button on the remote control unit or on the LCDTV itself.

## Aspect button (Screen Aspect Ratio)

ARC - Aspect Ratio Control

- **\*Normal:** This sets the aspect ratio to 4:3 for traditional TV programmes. There will be black bars at either side of the screen.
- **\*Panscan:** Expands 4:3 video sources to fit the 16:9 screen by magnifying the image at the edges of the screen. This creates less distortion at the center of the screen.
- **\*Zoom:** Some DVD movies may not fill the top and bottom of the screen. The zoom function extends the height to fill the screen.
- **\*Full:** This mode expands the width of 4:3 video sources evenly to fill the 16:9 screen. There will be distortion at the center of the screen as well as the edges.

## APC control button (Automatic Picture Control)

- Press APC button on the remote control repeatedly to cycle through the APC settings. These settings are *Normal*, *Clear* or *Dark*. For example, when the screen is showing night scene or darker screen, you can use APC to change the screen to *Clear* and get a brighter picture. If the screen is too bright, you can use this APC button to change the screen to *Normal* or *Dark*.

# Troubleshooting

Many times, problems have simple causes. We would like to give you some tips to solve some common problems. Should these tips not help, please call us!

### **There is no picture or sound.**

- Make sure the AC adapter is properly inserted in the power outlet.
- Make sure the main power switch of the main unit is on.

### **There is no picture from AV/TV.**

- Make sure the Contrast/Brightness is properly adjusted.
- Make sure all external devices are connected properly.

### **There is no picture from PC.**

- Make sure the LCD display is not in Power Saving mode.
- Press any desired key or move the mouse to deactivate the mode.

### **There is no sound.**

- Make sure the volume is not set to minimum.
- Make sure the sound is not set to mute.
- Make sure that headphones are not connected.

### **There is no picture or sound, just noise.**

- The reception may be weak.
- Make sure the aerial is not disconnected.

### **Picture is not clear.**

- The reception may be weak.
- Make sure the aerial is not disconnected.

### **Picture is too light.**

- Check colour adjustment.
- Check colour system setting.

### **The picture is too dark.**

- Check if the APC button is set to *Dark*.
- Check Contrast/Brightness adjustment.

### **Remote control does not work.**

- Check the batteries in the remote control are not flat.
- Make sure the remote sensor window is not under strong lighting.



### **The picture is doubled or tripled.**

- Make sure the aerial is facing the right direction.
- There may be reflected electric waves from mountains or buildings.

### **The picture is spotted.**

- There may be interference from automobiles, trains, high voltage lines, neon light, etc.
- There may be interference between the antenna cable and power cable. Try possible them further apart.

### **There are stripes on the screen or colours fade.**

- Is the unit receiving interference from other devices? Transmission antennas of radio broadcasting station and transmission antennas of amateur radio and cellular phones may also cause interference.
- Use the unit as far apart as possible from device that may cause possible interference.

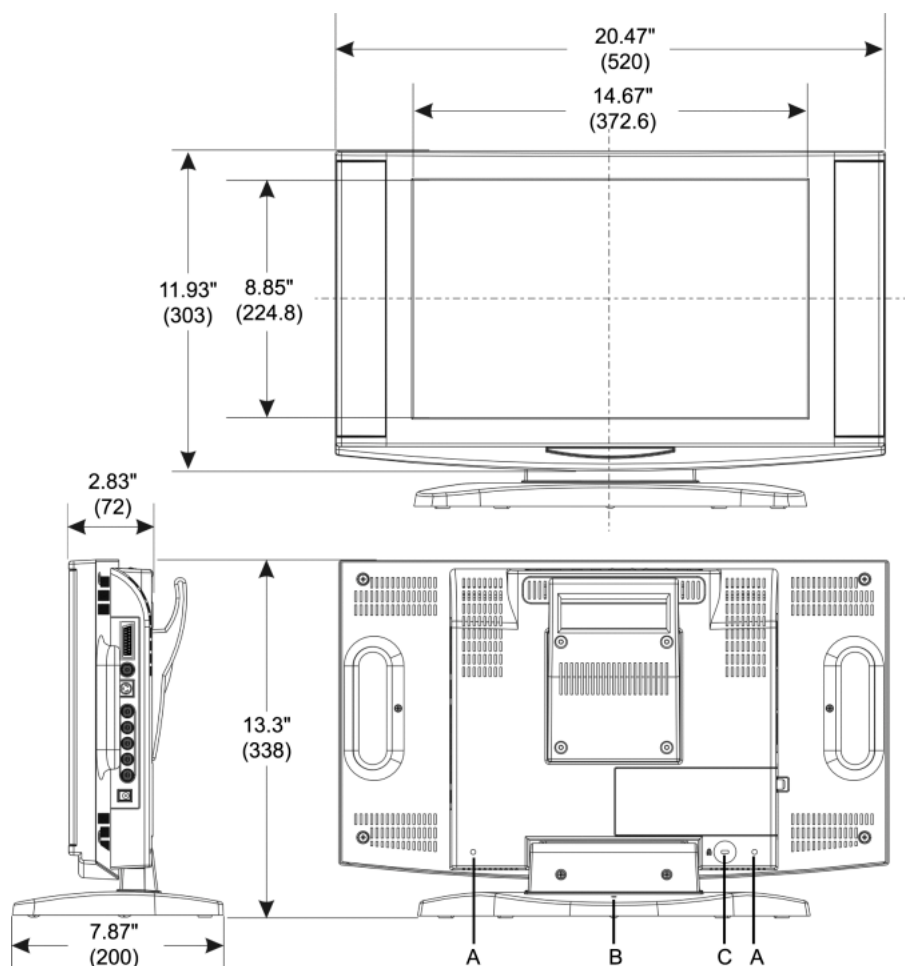
### **Permanently unlit or lit pixels.**

The standard of production techniques today cannot guarantee an absolutely fault-free screen display. A few isolated constant lit or unlit pixels may be present. The maximum permitted number of pixels faults is stipulated in the stringent international standard ISO 13406-2 (Class II). Example: a 17" flat-screen monitor with a resolution of 1280 x 768 has  $1280 \times 768 = 983040$  pixels. Each pixel consists of three subpixels (red, green and blue), so there are almost 3 million dots in total.

According to ISO 13406-2 (Class II), a maximum of 4 pixels and 5 subpixels may be defective, i. e. a total of 17 faulted dots. This corresponds to approx. 0,0002 % of the entire screen surface!



# Dimensions



Unit: inch (mm)



A: Attach small cable clamp here

B: Attach large cable clamp here

C: Kensington slot



# PC input preset timing table

Analog Input				
Mode Nr.	Mode Name Resolution	H.Freq. (kHz) V.Freq. (Hz)	H.Polarität V.Polarität	Pixel CLK (MHz)
1	VGA 70Hz 640 x 350	31.469 70.087	+ -	25.175
2	VGA 60Hz 640 x 480	31.469 59.941	- -	25.175
3	VGA 72Hz 640 x 480	37.861 72.81	- -	31.5
4	VGA 75Hz 640 x 480	37.5 75.0	- -	31.5
5	SVGA 56Hz 800 x 600	35.16 56.25	+ +	36.0
6	SVGA 60Hz 800 x 600	37.879 60.317	+ +	40.0
7	SVGA 72Hz 800 x 600	48.077 72.188	+ +	50.0
8	SVGA 75Hz 800 x 600	46.875 75.0	+ +	49,5
9	XGA 60Hz 1024 x 768	48.363 60.004	- -	65.0
10	XGA 70Hz 1024 x 768	56.476 70.069	- -	75.0
11	XGA 75Hz 1024 x 768	60.023 75.029	+ +	78.75
12	MAC VGA 640 x 480	35.0 66.667	- -	30.24
13	MAC VGA 832 x 624	49.725 74.550	- -	57.283
14	US Text 720 x 400	31.469 70.087	- +	28.322
15	WXGA 60Hz 1280 x 768	47.733 60.042	- -	80



# Specifications

Items		Specification	
Display	Screen Size	17" TFT-LCD Panel	
	Aspect Ratio	16 : 9	
	Resolution	1280 x 768 (WXGA)	
	Display colors	262,144 colors	
	Contrast Ratio	400 : 1 (typical)	
	Brightness	400 cd / m <sup>2</sup> (typical)	
	Viewing Angle	160° (Hor.) / 160° (Ver.)	
	Response Time	Tr =15ms / Tf = 10 ms	
	OSD Language	English, Français, Deutsch, Español, Italian, Svenska, Português, Magyar, Русский, Český	
TV Function	TV Standard (CCIR)	B/G, D/K, I und L/L' (Multi-Europe)	
	colir system	PAL / SECAM	
	Sound system	NICAM / A2 (IGR)	
	Teletext	10 Seiten (FLOF/TOP)	
Video I / O	Video-Color System	PAL / SECAM / NTSC	
	AV1 (In / Out)	21-pin Scart (RGB & Composite) x 1	
	AV2 (In)	VFBAS (Composite ) x 1	Audio L/R x 1
		S-Video x 1	
		YCbCr&YpbPr x 1 DTV: 625p	
	AV3 (Out)	VIDEO OUT (Composite ) x 1 (TV only)	
PC I / P	Signal I/P	Analog: D-Sub 15-polig (entfernbares Kabel)	
	PnP compatibility	DDC / 2B	
	I/P Frequency	Analog: f <sub>H</sub> : 31KHz to 60KHz f <sub>V</sub> : 56Hz to 75Hz	
	Recommended	Analog: 1024 x 768 (60Hz)	
	DTV-ready (via D-Sub 15-polig)	DTV System: 625p	
Audio I / O	Audio I / O : L / R	Speaker (built in): 3.5W + 3.5W (rms)	
		Headphone Mini-jacke for stereo (3.5φ)	
		Line Out (RCA L/R)	
Other Functions	PIP under PC-mode, Child lock, VESA Flat Panel Wall Mounting holes		

# Specifications

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Items		Specification
Power	Power Supply	DC 12V, 5A AC 110V~240V, 50/60Hz (external AC-Adapter)
	Power Consumption	< 60 W
Panel Tilt	Forwards / Backwards / Rotation	- 5° / + 15° / ± 180°
Dimension	B x H x T	520mm x 303mm x 72mm
	B x H x T (with stand)	520mm x 338mm x 200mm
Weight (net)	Kg (w/o Acessories)	6.5Kg
Acessories	User's Manual , Remote Control , Batteries , Power cord, AC Adapter , D-sub Signal Cable, Cable Clamps .	